BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:-Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet

First and Part

Item No: **27**

Item Name: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of beams, beam hauncing cantilever girders, bressumers & lintels & not exceeding 1.0 in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 - Second Floor

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Second Floor beams								
B (1, 2 & 3) (30+27.8=57.8)	1x1	57.800				0.45	26.01	
(30+22.3=52.3)	1x1	52.300				0.30	15.69	
B-4	1x1	5.800				0.30	1.74	
B-5(30+22.3=52.30)	2x1	52.300				0.30	31.38	
	1x1	1.500				0.45	0.68	
	1x1	1.350				0.30	0.41	
B-7(30+22.3=52.30)	1x1	52.300				0.30	15.69	
	1x1	1.500				0.45	0.68	
	1x1	1.350				0.30	0.41	
(30+21.9=51.9)	1x1	51.900				0.30	15.57	
B-8	1x1	3.500				0.30	1.05	
	1x1	3.300				0.30	0.99	
B9	1x2	1.800				0.45	1.62	
	1x2	1.900				0.45	1.71	
B-10	2x2	3.050				0.30	3.66	
B-12A	1x2	0.650				0.30	0.39	
B-13	2x2	3.300				0.30	3.96	

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CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	2x2	2.900				0.30	3.48	
B(14,14A and 15)(30+22.6=52.6)	1x2	52.600				0.30	31.56	
B-14B(30+27.8=57.8)	1x1	57.800				0.45	26.01	
(30+22.3=52.30)	1x1	52.300				0.30	15.69	
B-16 & 16A	1x1	16.200				0.45	7.29	
	1x1	15.050				0.30	4.51	
	1x1	4.700				0.45	2.11	
	1x1	3.900				0.30	1.17	
B-17	1x2	15.050				0.30	9.03	
B-18 & 18-A	2x12	15.050				0.30	108.36	
B-19	1x2	15.050				0.30	9.03	
B-20	1x2	15.050				0.30	9.03	
B-21	2x2	2.850				0.30	3.42	
B-22	1x1	6.100				0.30	1.83	
	1x1	5.500				0.45	2.48	
B-23	1x1	2.570				0.45	1.16	
	1x1	2.170				0.30	0.65	
B-24	1x2	15.050				0.30	9.03	
B-25	1x2	7.800				0.30	4.68	

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CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
B-26	1x1	16.200				0.45	7.29	
	1x1	15.050				0.30		
						Total Qty Work Done	383.93	Sqm
						Qty Limited Payable in this bill	383.93	Sqm

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagara Division (Project)

Asst.Executive Engineer
RR Nagara Division (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:-Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet

First and Part

Item No: 36

Item Name: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. -Ground Floor

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Columns (Ground Floor)								
Grid - A 1 to 21	19.00	1.800				2.55	87.21	
Grid - F 1 to 21	18.00	1.800				2.55	82.62	
Grid - B 1 to 21	12.00	1.800				2.55	55.08	
	7.00	1.200				2.55	21.42	
Grid - C 1 to 21	11.00	1.800				2.55	50.49	C/F
	7.00	1.200				2.55	21.42	
Lift	4.00	1.300				2.55	13.26	
						Total Qty Work Done	**331.50**	**Sqm**
						Qty Limited Payable in this bill	**331.50**	**Sqm**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultant Representative

Assistant Engineer
RR Nagara Division (Project)

Asst.Executive Engineer
RR Nagara Division (Project.)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:-Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet

First and Part

Item No:	37								
Item Name:	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. -First Floor								
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
	Columns (First Floor)								
	Grid - A 1 to 21	19.00	1.800				3.15	107.73	
	Grid - F 1 to 21	18.00	1.800				3.15	102.06	
	Grid - B 1 to 21	12.00	1.800				3.15	68.04	
		7.00	1.200				3.15	26.46	
	Grid - C 1 to 21	11.00	1.800				3.15	62.37	
		7.00	1.200				3.15	26.46	
	Grid - G 11	1.00	1.300				3.15	4.10	
	Lift	4.00	1.300				3.15	16.38	
							Total Qty Work Done	**413.60**	**Sqm**
							Reserve Qty	**52.48**	**Sqm**
							Qty Limited Payable in this bill	**361.12**	**Sqm**

CPC

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Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
RR Nagara Division (Project)

Asst Executive Engineer
RR Nagara Division (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:-Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet

First and Part

Item No. **38**

Item Name: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. -Second Floor

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Columns (Second Floor)								
Grid - A - 1 to 21	1x19	1.800				3.150	107.73	
Grid - B - 1 to 21	1x12	1.800				3.150	68.04	
Grid - C - 1 to 21	1x11	1.800				3.150	62.37	
Grid - F - 1 to 21	1x18	1.800				3.150	102.06	
Grid - G - 11	1x1	1.300				3.150	4.10	
Lift	1x4	1.300				3.150	16.38	
						Total Qty Work Done	**360.68**	**Sqm**
						Qty Limited Payable in this bill	**360.68**	**Sqm**

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Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagara Division (Project)

Asst.Executive Engineer
RR Nagara Division (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:-Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet

First and Part

Item No: **41**

Item Name: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification upto 3.5 m from Ground level - Ground Floor

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Ground floor slab	1x1	16.800	57.800				971.04	
	1x1	5.100	1.500				7.65	
Deductions								
Staircase	1x2	1.500	3.500				-10.50	
	1x1	2.600	1.500				-3.90	
Duct	1x1	5.500	1.250				-0.69	
Lift	1x1	1.800	2.140				-3.85	
Columns	1x42	0.300	0.600				-7.56	
	1x14	0.300	0.300				-1.26	
	1x42	0.230	0.450				-0.41	
						Total Qty Work Done	**950.52**	**Sqm**
						Reserve Qty	**26.10**	**Sqm**
						Qty Limited Payable in this bill	**924.42**	**Sqm**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultant Representative

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಲಯ

Assistant Engineer
RR Nagara Division (Project)

Asst.Executive Engineer
RR Nagara Division (Project)
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಲಯ

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BRUHAT BANGALORE MAHANAGARA PALIKE

Work:-Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet

First and Part

42	

Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification upto 3.5 m from Ground level - First Floor

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
First floor slab	1x1	16.800	57.800				971.04	
	1x1	5.100	1.500				7.65	
Deductions								
Staircase	1x2	1.500	3.500				-10.50	
	1x1	2.600	1.500				-3.90	
Duct	1x1	5.500	1.250				-3.44	
Lift	1x1	1.800	2.140				-3.85	
Columns	1x42	0.300	0.600				-7.56	
	1x14	0.300	0.300				-1.26	
	1x42	0.230	0.450				-0.41	
							Total Qty Work Done	**950.52**	**Sqm**
							Reserve Qty	**84.72**	**Sqm**
							Qty Limited Payable in this bill	**865.80**	**Sqm**

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ಪಾಲಿಕೆ ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಲಯ

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
RR Nagara Division (Project)

Asst.Executive Engineer
RR Nagara Division (Project)
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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:-Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet

First and Part

43

Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification upto 3.5 m from Ground level -Second Floor

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Secound floor slab	1x1	16.800	57.800				971.04	
	1x1	5.100	1.500				7.65	
Deductions								
Staircase	1x2	1.500	3.500				-10.50	
	1x1	2.600	1.500				-3.90	
Duct	1x1	5.500	1.250				-0.69	
Lift	1x1	1.800	2.140				-3.85	
Columns	1x42	0.300	0.600				-7.56	
	1x14	0.300	0.300				-1.26	
	1x42	0.230	0.450				-0.41	
						Total Qty Work Done	**950.52**	**Sqm**
						Reserve Qty	**84.72**	**Sqm**
						Qty Limited Payable in this bill	**865.80**	**Sqm**

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagara Division (Project)

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ಯೋಜನೆ)
ಬೃ.ಬೆಂ.ಮ.ಪಾ. ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಲಯ

Assistant Executive Engineer (Project)
RR Nagara Division
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಲಯ

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ಬೃ.ಬೆಂ.ಮ.ಪಾ. ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವ

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BRUHAT BANGALORE MAHANAGARA PALIKE

Work:-Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet

First and Part

46

rroviding and removing centring, shuttering, strutting, proping etc., and removal of form work for tairs (excluding landing) except spiral staircase including cost of all materials,labour complete as per pecification and directed by the Engineer in Charge - Ground Floor to First Floor

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Staircase - GF to FF								
'Z' beam side	1x1	5.400						
	1x1	5.400				0.450	2.43	
Bottom	1x1	5.400				0.275	1.49	
1st Flait	1x1	1.900			0.300		1.62	
Landing	1x1	2.200			1.500		2.85	
Side	1x1	4.000			1.500		3.30	
2nd Flait	1x1	2.700			0.375		1.50	
Landing	1x1	1.650			1.800		4.86	
3rd Flait	1x1	1.900			1.500		2.48	
Steps (Riser)	1x23	1.500			1.500		2.85	
					0.125		4.49	
East side staircase								
(Above drain)								
Flait	1x1	5.100			2.100		10.71	
Side	1x23	2.600			0.350		20.93	
Steps (Riser)	1x8	5.100				0.200	8.16	
						Total Qty Work Done	**67.66**	**Sqm**
						Reserve Qty	**43.16**	**Sqm**
						Qty Limited Payable in this bill	**24.50**	**Sqm**

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ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವ

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS

Consultant Representative

Assistant Engineer
RR Nagara Division (Project)

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ಯೋಜನೆ)
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಲಯ

Asst. Executive Engineer
RR Nagara Division (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Work:-Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet

First and Part

47

Providing and removing centring, shuttering, strutting, proping etc., and removal of form work for stairs (excluding landing) except spiral staircase including cost of all materials,labour complete as per specification and directed by the Engineer in Charge - First Floor to Second Floor

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Staircase - FF to SF								
'Z' beam side	1x1	5.400				0.450	2.43	
	1x1	5.400				0.275	1.49	
Bottom	1x1	5.400			0.300		1.62	
1st Flait	1x1	1.900			1.500		2.85	
Landing	1x1	2.200			1.500		3.30	
Side	1x1	4.000			0.375		1.50	
2nd Flait	1x1	2.700			1.800		4.86	
Landing	1x1	1.650			1.500		2.48	
3rd Flait	1x1	1.900			1.500		2.85	
Steps (Riser)	1x24	1.500			0.125		4.68	
						Total Qty Work Done	**28.05**	**Sqm**
						Reserve Qty	**6.75**	**Sqm**
						Qty Limited Payable in this bill	**21.30**	**Sqm**

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

R.K.

Assistant Engineer

RR Nagara Division (Project)

Asst.Executive Engineer

RR Nagara Division (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:-Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet

First and Part

48

Providing and removing centring, shuttering, strutting, proping etc., and removal of form work for stairs (excluding landing) except spiral staircase including cost of all materials,labour complete as per specification and directed by the Engineer in Charge - Second Floor to Third Floor

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Staircase - SF to TF								
Z' beam side	1x1	5.400				0.450	2.43	
	1x1	5.400				0.275	1.49	
Bottom	1x1	5.400			0.300		1.62	
7th Flait	1x1	1.900			1.500		2.85	
Landing	1x1	2.200			1.500		3.30	
Side	1x1	4.000			0.375		1.50	
8th Flait	1x1	2.700			1.800		4.86	
Landing	1x1	1.650			1.500		2.48	
9th Flait	1x1	1.900			1.500		2.85	
Steps (Riser)	1x24	1.500			0.125		4.68	
						Total Qty Work Done	**28.05**	**Sqm**
						Reserve Qty	**6.75**	**Sqm**
						Qty Limited Payable in this bill	**21.30**	**Sqm**

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ಪಾಲಿಕೆ
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಲಯ

Contractor Representative

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
RR Nagara Division (Project)

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ಯೋಜನೆ)
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
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BRUHAT BANGALORE MAHANAGARA PALIKE

e of Work:-Construction of Market Building At Jp Park in Ward No 17.

Measurement Sheet

First and Part

50

Providing TMT Steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tieng with binding wire and anchoring to the adjoining members wherever necessary, complete as per design (laps, hooks and wastage shall not be measured and paid) cost of all materials, labour, HOM of machineries etc., complete as per specifications.. FOR TMT Bars Fe- 500 - Ground Floor

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Qty Vide from Calculation Sheet							63.25	Ton
Total Qty Work Done							**63.25**	**Ton**
Qty Limited Payable in this bill							**63.25**	**Ton**

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ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಲಯ

TIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagara Division (Project)

Asst Executive Engineer
RR Nagara Division (Project)
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ಯೋಜನೆ)
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಲಯ

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